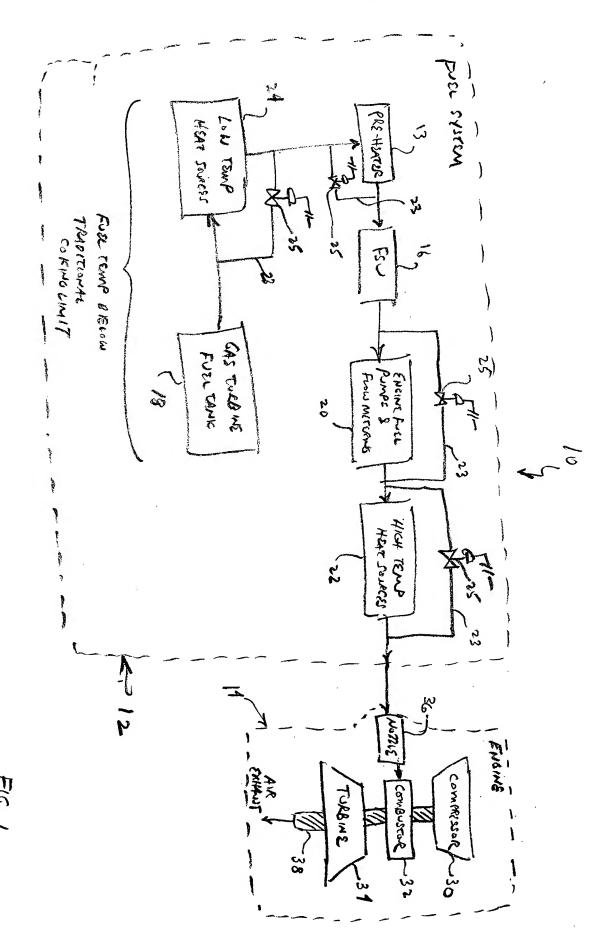
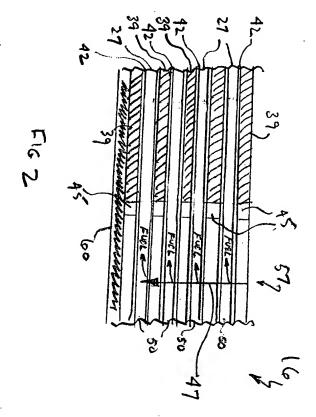
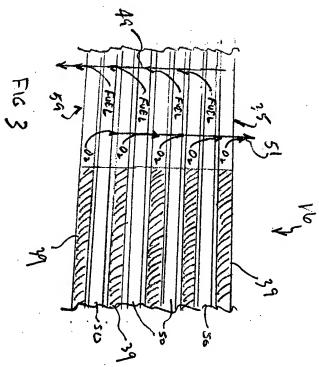
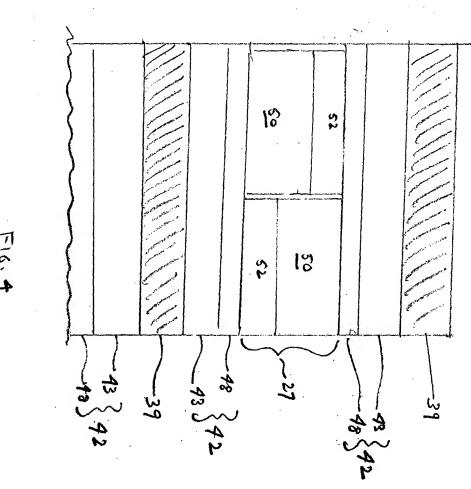
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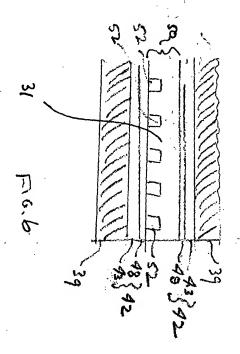
Applicant: Louis J. Spadaccini, et al. Serial No.: 'New Appln Attorney Docket Number: 3309P-149

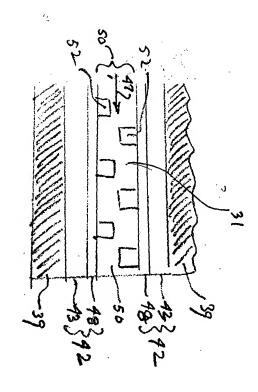


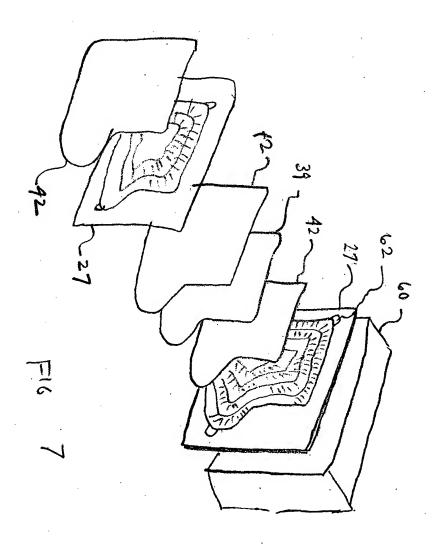


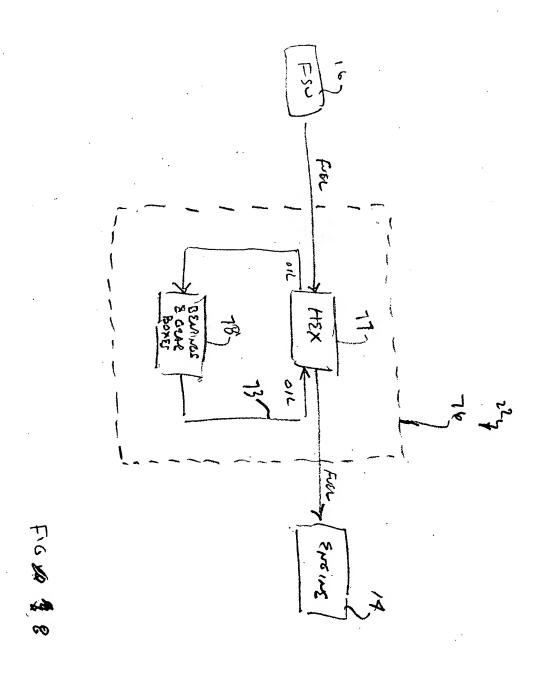








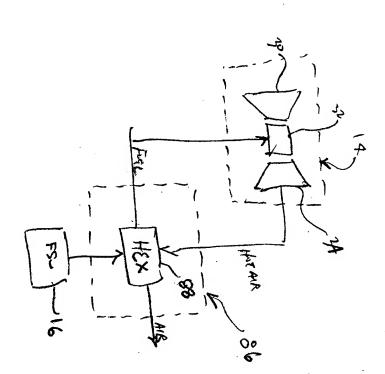


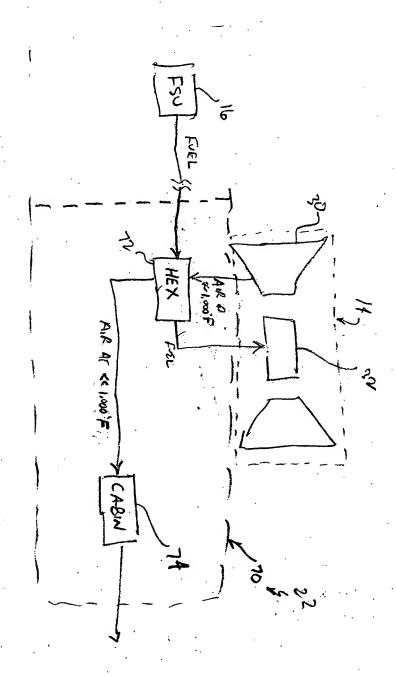


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Attorney Docket Number: 3309F-149





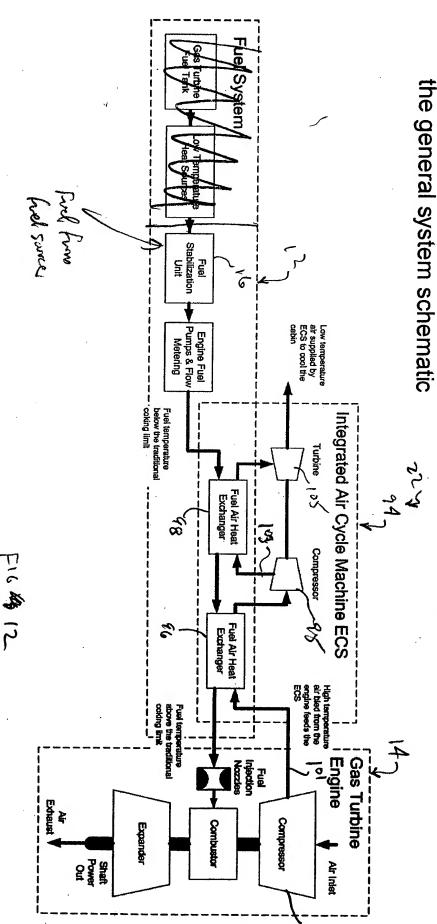
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# Integrated Air Cycle Environmental Control System

(ECS) Fuel serves as a heat sink to the aircraft cabin environmental control system

The "Fuel/Air Heat Exchanger"'s are the high temperature heat sources from



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# **Heat Pump Application**

aircraft to the fuel acting as the high temperature sink. A heat pump that transfers heat from a low temperature source on the

